**Information Needed to Solve My Problem:**

**How can I teach students to use the Big 6 problem-solving process to improve   
critical thinking skills through research projects?**

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| **What are the six steps of the Big 6 Process?** | **What skills are needed to complete each of the steps?** | **How will I teach those skills to students?** | **VBCPS 21st Century Skills** |
| **1. Task Definition**  1.1 Define the information problem  1.2 Identify information needed (to solve the information problem) |  |  |  |
| **2. Information Seeking Strategies**  2.1 Determine all possible sources (brainstorm)  2.2 Select the best sources |  |  |  |
| **3. Location and Access**  3.1 Locate sources (intellectually and physically)  3.2 Find information within sources |  |  |  |
| **4. Use of Information**  4.1 Engage (e.g., read, hear, view, touch)  4.2 Extract relevant information |  |  |  |
| **5. Synthesis**  5.1 Organize from multiple sources  5.2 Present the information |  |  |  |
| **6. Evaluation**  6.1 Judge the product (effectiveness)  6.2 Judge the process (efficiency) |  |  |  |